

YUS'KOVICH, V. F.

PHISM
BOOK

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Authors: REZNIKOV, L. I. and YUS'KOVICH, V. F.

Full Title: STUDY OF THE SECTION "THE STUDY OF THE ATOM" IN THE SCHOOL
COURSE IN PHYSICS

Transliterated Title: Izucheniya razdela "Stroyeniye atoma" v shkol'nom kurse
fiziki

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Instruction Methods

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Editorial Staff

Editor: Peryshkin, A. V., Corr. Mem. of the Tech. Ed.: None
Academy of Pedagogical Sciences

Editor-in-Chief: None Appraisers: None

Text Data

Coverage: This is a well planned general program for teachers of physics without giving details. It is interesting in listing the names of numerous Russian scientists and their works. The book gives the scope of this new field in physics as covered in Soviet high schools.

1/2

YUS'KOVICH, V. F.

Physics - Study and Teaching

Developing a scientific outlook in students during lessons of physics. Fiz. v shkole
No. 4, 1952.

Monthly List of Russian Accessions Library of Congress November 1952 UNCLASSIFIED

Yus'kovich, V. F.

Yus'kovich, V. F., Reznikov, L. I. Prepodavanie fiziki v shkole v svete zadach politekhnicheskogo obucheniia [Teaching of physics in school in the light of the problems of training in practical application]. Materialy v porosch' uchiteliu. Moscow, Akad. ped. nauk RSFSR, 1953. 76 p.

SO: Monthly List of Russian Accessions, Vol 7, No 4, July 1954.

100-5-VIUM, v. 1.

REZNIKOV, L.I.; IUS'KOVICH, V.A.; BASOV, Yu.V., redaktor; MAKHOVA, N.N.,
tekhnicheskiy redaktor

[Problems pertaining to teaching physics in school; teaching sciences
from the angle of practical application] Voprosy prepodavaniia fiziki
v shkole; iz opyta politekhnicheskogo obuchenia. Sostaviteli L.I.
Reznikov, i V.F. Ius'kovich. Moskva, Gos. uchebno-pedagog. izd-vo
Ministerstva prosveshcheniya RSFSR, 1954. 185 p. (MIRA 8:4)
(Physics--Study and teaching)

IUS'KOVICH, V.P.; BEZNIKOV, L.I.; MINCHENKOV, Ye.Ya., redaktor; MUKHINA,
D.N., tekhnicheskiy redaktor; GARNEK, V.P., tekhnicheskiy redaktor.

[Applied science training in a physics course; a teacher's manual]
Politekhnicheskoe obuchenie v prepodavanií fiziki; materialy v pomoshchi
uchitelju. Moskva, Izd-vo Akademii pedagog. nauk RSFSR, 1954. 198 p.
(Physics—Study and teaching) (MIRA 8:5)

YUS'KOVICH, V.E.

GALANIN, D.D.; GORYACHEV, Ye.N.; REZNIKOV, L.I.; MINCHENKOV, Ye.Ya.

YUS'KOVICH, V.P.

Vissarion Nikolaevich Bakushinskii; an obituary. Fin. v shkole 14
no.5:95 S-0 '54. (MLRA 7:9)
(Bakushinskii, Vissarion Nikolaevich, 1889-1954)

YUS'KOVICH, V.P. (Moscow)

Physics course programs in high schools. Fiz. v shkole 15 no. 8:
83-85 Jl-Ag'55. (MIRA 8:10)

(Physics--Study and Teaching)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4

YUS'KOVICH, V.P., (Moskva)

Inacceptable proposals. Fiz. zhurn. 15 no.5:37-42 8-0 '55.
(Physics--Study and teaching) (MLRA 9:1)

APPROVED FOR RELEASE: 03/15/2001

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YUS'KOVICH, V.F.

BELOGORSKAYA, N.I.; GALININ, D.D.; GORYACHKIN, Ye.N.; GLAZYRIN, A.I.; INBOV, A.G.;
YEVHOPIN, Yu.P.; YEMEKOVICH, A.S.; ZVORYKIN, B.S.; IVANOV, S.I.; KRAUKLIS,
V.V.; LAVROVSKIY, K.P.; MENSHTUTIN, N.F.; MINCHENKOV, Ye.Ya.; NABOKOV, M.Ye.;
PERYSHKIN, A.V.; POPOV, P.I.; POKROVSKIY, A.A.; REZNIKOV, L.I.; SAKHAROV,
D.I.; SOKOLOV, I.I.; SOKOLOVA, Ye.N.; EVENCHIK, E.Ye.; YUS'KOVICH, V.F.

Sergei Nikolaevich Zharkov. [Obituary]. Fiz.v shkole 16 no.3:94-95 Ky-Je '56.
(Zharkov, Sergei Nikolaevich, 1883-1956) (MIRA 9:7)

YUDZNIKOV, Leonid Isaakovich; YUS'KOVICH, Vasiliy Fomich; DROZHZHIN, Yu.N.,
redaktor; SHILOV, G.I., tekhnicheskiy redaktor

[Atomic structure in school physics courses] Strukturne atoma v shkols'-
nom kurse fiziki; posobie dlja uchitelei. Izd. 2-e, perer. i dop.
Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosvetlenija
RSFSR, 1956. 110 p. (MIRA 10:4)

(Atoms--Study and teaching)

YUS'KOVICH, V.P.

Physics curriculum related to problems in polytechnical education ,
Fiz. v shkole 17 no.2:27-33 Kr-Ap '57. (MLRA 10:3)

I. Zaveduyushchiy laboratoriye metodiki fiziki Instituta metodov
obucheniya Akademii pedagogicheskikh nauk RSNFSR.
(Physics--Study and teaching)
(Technical education)

BULATOV, N.P.; YESIPOV, B.P.; ROZANOV, I.G.; SHCHUKIN, S.V.;
DANILOV, M.A.; REZNIKOV, L.I.; SKATKIN, M.N.; YUS'KOVICH, V.F.

I.I. Babushkin; obituary. Fiz. v shkole 17 no.1:96 Ja-F
'57. (MLRA 10:2)

(Babushkin, Ivan Ivanovich, 1899-1956)

YUS'KOVICH, V.F.

AUTHOR: Yus'kovich, V.F., (Moskva)

47-5-16/16

TITLE: Chronicle (Khronika) The Novosibirsk Scientific Conference of the RSFSR Academy of Pedagogical Science on Polytechnical Instruction (Section of Physics, Mechanical- and Electrical Engineering) (Novosibirskaya nauchnaya konferentsiya APN RSFSR po politekhnicheskemu obucheniyu /sektsiya fiziki, mashinovedeniya i elektrotekhniki/)

PERIODICAL: Fizika v Shkole, September-October 1957, No 5, pp 95-96 (USSR)

ABSTRACT: From 13 to 16 May a scientific conference of the RSFSR Academy of Pedagogical Science on questions of polytechnical instruction took place at Novosibirsk. The plenary meeting of the conference heard reports of S.G. Shapovalenko, Corresponding Member of this Academy and Director of the Scientific-Research Institute for Methods of Instruction, on the subject "Polytechnical Instruction at the Present Stage of the National Economy and School Development"; M.P. Kashin, in charge of the Novosibirsk City Sections of National Education, and V.K. Savchenko, in charge of the Altay Kray Section of National Education, reported on the state of polytechnical education at the schools. The Section for Matters of Polytechnical Education in Instructing Physics, Mechanical and Electrical Engineering

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Chronicle. The Novosibirsk Scientific Conference of the RSFSR Academy of Pedagogical Science on Polytechnical Instruction (Section of Physics, Mechanical- and Electrical Engineering)

heard nine reports. The Honorary Teacher of the RSFSR School N. Ye. Zhabanov (3rd High School of Minusinsk) (3-ya srednaya shkola g. Minusinska) devoted his report to questions of teaching physics from a polytechnical viewpoint. He dealt with the following questions: the connection between the physics course and production, the utilization of visual aids in teaching technique, the solution of technical problems. He referred to students developing polytechnical knowledge and skill, to excursions to shops and to extra-curricular training in physics. Also mentioned were the difficulties experienced in teaching physics due to limited time and insufficient inferior appliances. S.V. Shaburov, in charge of the Polytechnical Section of the Omsk Institute for Improvement of Teachers (Kabinet politekhnicheskogo obucheniya Omskogo instituta usovershenstvovaniya uchiteley), spoke on the relations of physics, mechanical and electrical engineering. In order to establish a better connection between the physics course and mechanical engineering he suggested that deformation and other properties of solids and rotary motion, be taught in the 8th grade. This

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Chronicle. The Novosibirsk Scientific Conference of the RSFSR Academy of Pedagogical Science on Polytechnical Instruction (Section of Physics, Mechanical- and Electrical Engineering)

proposal found no support. D.Yu. Katsas, teacher of physics at the 43rd High School at Tomsk (43-ya srednyaya shkola, gorod Tomsk) lectured on "Experiences Gained in Teaching Physics and Electrical Engineering from the Viewpoint of Polytechnical Instruction". He spoke about the necessity of avoiding duplication of work in physics and electrical engineering, and on practical work in electrical engineering as compared with laboratory work in physics. Teacher D.V. Shumilov, 1st School at Chelyabinsk (1-ya shkola goroda Chelyabinska), emphasized the importance of a school laboratory for electrical engineering equipped with special appliances. At his school the laboratory was established with the help of sponsors (parents' committee and students) and enabled the setting up of a radio net, a telephone with 20 connections, an ultra-short wave radio station, a small television set, etc. Thus the laboratory for electrical engineering contributed considerably to raise the standard of polytechnical training. Teacher O.R. L'vov of the 42nd High School at Barnaul (42-ya sred-

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47-5-16/16

Chronicle. The Novosibirsk Scientific Conference of the RSFSR Academy of Pedagogical Science on Polytechnical Instruction (Section of Physics, Mechanical and Electrical Engineering)

nyaya shkola goroda Barnaula) reported on his experiences in teaching electrical engineering, pointing especially to the connection between electrical engineering, when teaching the latter, and industrial technique. Teacher D.S. Kuzovnin of the 1st High School at Kalach'nsk, Omsk Oblast' (1-ya Kalachinskaya srednyaya shkola, Omskoy oblasti), reported on his experiences in the study of an automobile. Two-hour lessons proved to be most successful, and practical work in physics and automobile studies was carried out simultaneously under the guidance of one teacher. P.M. Yakobson of the Institute of Psychology, Academy of Pedagogical Science (Institut psichologii akademii pedagogicheskikh nauk), discussed the question of the development of technical thinking during lessons in mechanical engineering. Experimental researches have led to the formulation of a number of conditions for a successful development of technical thinking. The relation between learning physics and the students' practical work was elucidated in the report of teacher V.A. Tropin, 46th High

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47-5-16/16

Chronicle. The Novosibirsk Scientific Conference of the RSFSR Academy of Pedagogical Science on Polytechnical Instruction (Section of Physics, Mechanical- and Electrical Engineering)

School of Chelyabinsk (46-ya srednyaya shkola, Chelyabinsk). The students of the 10th class (3-4 hours per week) performed their practical work in the laboratory for testing metals and in the workshops for electrodes, electrical repair, electrical and gas welding. The author quotes a number of experiments showing the students the application of Pascal's law, the Brinell test, the physico-chemical processes in electric welding, etc. This knowledge was then utilized during the lesson in physics. V.F. Yus'kovich, Institute of Methods, Academy of Pedagogical Science (Institut metodov akademii pedagogicheskikh nauk) dealt with the problem of applying the students' knowledge in physics during the process of instruction. A wide application of physical knowledge is first of all attained during the study of technical questions provided by the program for the course in physics. Physical phenomena, conceptions, laws, measuring devices and other equipment is used during the studies in mechanical engineering, the automobile, electrical engineering as well as chemistry, biology, geography and

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Chronicle. The Novosibirsk Scientific Conference of the RSFSR Academy of Pedagogical Science on Polytechnical Instruction (Section of Physics, Mechanical and Electrical Engineering)

astronomy. A correct solution of the problem of applying knowledge will be obtained if the study of each physical phenomenon, conception, law or theory is closely connected with an analysis of concrete examples taken from production, technique or from daily life. On the other hand, the study of important technical devices must be conducted by making apparent, the physical phenomena and the laws of physics appearing in them. This mutual relation between theory and practice must be displayed in all forms and methods of instruction, in the class and outside of it. The systematic application of their physics knowledge will gradually change the students' character, they will perceive better and become more profound and efficient. It will also develop within the students a right approach to the evaluation of the phenomena of the surrounding world. Knowledge is converted into an efficient method of perceiving and changing reality. More than 15 persons participated in the discussions. Among the suggestions made, the following may be especially mentioned: to arrange a competition on textbooks in physics, mechanical engineering, automobiles, and

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Chronicle. The Novosibirsk Scientific Conference of the RSFSR Academy of Pedagogical Science on Polytechnical Instruction (Section of Physics, Mechanical and Electrical Engineering)

electrical engineering; to compile a good textbook with polytechnical problems in physics; to publish books on the methods of teaching physics and electrical engineering; to increase the issue of visual aids raising their quality; to improve the polytechnical training of physics teachers at the pedagogical institutes; to organize seminars or courses for teachers of physics at the individual enterprises. The Section's work proved that the teachers, especially the younger ones, are in earnest quest of a solution of the problem of polytechnical instruction.

AVAILABLE: Library of Congress

Card 7/7

REZNIKOV, Leonid Isaakovich; EVENCHIK, Efim' Yefimovna; YUSIKOVICH,
Vasiliy Fomich; ZNAMENSKIY, P.A., prof., retsenzant; SAKHAROV,
D.I., dotsent, retezenzant; BUDOV, M.I., retsenzant; TROFIMOVICH,
A.S., starshiy nauchnyy sotrudnik, retsenzant; YAVORSKIY, B.M.,
prof., doktor fiz.-matem.nauk, red.; SIDOROV, N.I., red.; LAUT,
V.G., tekhn.red.

[Methods of teaching physics in secondary schools] Metodika pre-
podavaniia fiziki v srednei shkole. Pod red. B.M.Yavorskogo.
Moskva, Izd-vo Akad.pedagog.nauk RSFSR. Vol.1. [Mechanics]
Mekhanika. 1958. 286 p. (MIRA 12:9)

1. Chlen-korrepondent Akademii pedagogicheskikh nauk RSFSR
(for Znamenskiy).
(Mechanics--Study and teaching)

y. F. Yus'kovich

AUTHOR: Khramova, E.G. (Leningrad) SOV-47-58-5-9/28.

TITLE: The Question of Studying Semiconductors in Secondary Schools
(K voprosu ob izuchenii poluprovodnikov v sredney shkole)

PERIODICAL: Fizika v shkole, 1958, Nr 5, pp 47-52 (USSR)

ABSTRACT: The article is a contribution to the discussion raised by the essay of Y.F. Yus'kovich "Contents of the Physics Course in Connection with Questions of Polytechnical Instruction". The author advocates a change in the curriculum by eliminating obsolete questions and introducing up-to-date ones. This includes the study of properties of semiconductors and their technical application. She emphasizes the primary importance of semiconductors to technical progress and science, and enters into a controversy with those opposing such instruction. She quotes in this connection the opinions of the Academicians A.F. Ioffe and G.S. Landsberg that the introduction of semiconductors into the curriculum will enable the students to study the properties of metals, semiconductors and dielectrics in comparison, which greatly contributes to understanding. The author sets forth details of such instruction carried out as an experiment in the 10th class of her school. In order to prove that students of the 10th class are capable of

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SOV-47-58-5-9/28

The Question of Studying Semiconductors in Secondary Schools

comprehending the basic conceptions she describes the contents of the material to be presented to the students and possible experiments. She starts with the electrical properties of semiconductors, then deals with semiconducting thermoelements and finishes with the photoeffect in semiconductors. There are 8 diagrams and 3 Soviet references.

1. Semiconductors—Study and teaching

Card 2/2

YUSKOVICH, V. F.

AUTHOR: None Given SOV-47-58-5-26/28

TITLE: An All-Russian Conference on Textbooks in Physics (Vserossiyskoye soveshchaniye po uchebnikam fiziki)

PERIODICAL: Fizika v shkole, 1958, Nr 5, pp 90-95 (USSR)

ABSTRACT: From 23 to 26 June an All-Russian Conference took place at the RSFSR Ministry of Education which was devoted to the discussion of the composition of an ideal physics textbook. It was attended by a great number of teachers of physics from Moscow, Leningrad and other cities, by workers of pedagogical institutions and the Academy of Pedagogical Sciences. The following reports were heard: "The Place, System and Contents of a Course in Physics at the Secondary School" by V.F. Yus'kovich, Head of the Laboratory of Methods in Physics of the Institute of Methods of Instruction, RSFSR Academy of Pedagogical Sciences; "Requirements, a First Grade Physics Textbook Should Meet" by the Docent of the Moscow Oblast Pedagogical Institute S.I. Ivanov; "An Analysis of English, French and US School Physics Textbooks" by L.I. Reznikov, Senior Scientific Worker of the Institute of Methods of Instruction; "An Analysis of Physics Textbooks for Secondary Schools in Czechoslovakia and the German Democratic Republic"

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An All-Russian Conference on Textbooks in Physics

SOV-47-58-5-26/2B

by Professor A.G. Kalashnikov, Regular Member of the Academy of Pedagogical Sciences. The Conference participants also heard the report of Professor P.A. Znamenskiy, Member-Correspondent of the Academy of Pedagogical Sciences, on "Requirements a Second Grade Physics Textbook Should Meet". The ensuing discussions dealt with many questions pertaining to the contents of secondary school physics courses and contained critical remarks on existing textbooks. Special commissions discussed thoroughly the requirements of first and second grade textbooks. Physics textbooks must be composed according to a definite, scientifically-based methodical system. The article quotes the full contents of the requirements as elaborated by the Conference.

1. Physics--Textbooks 2. Physics--USSR

Card 2/2

SOV-47-58-6-5/28

AUTHOR:

Yus'kovich, V.F.

TITLE:

Teaching Physics in the Eight-Year and Secondary Polytechnical School (Prepodavaniye fiziki v vos'miletney i sredneye politekhnicheskoy shkole)

PERIODICAL:

Fizika v shkole, 1958, Nr 6, pp 27 - 31 (USSR)

ABSTRACT:

N.S Khrushchev's proposals for reorganizing the schools are considered. One of the fundamentals of his system is the establishment of the 8-year school as the first stage of secondary education. Emphasis is to be placed on the study of the foundations of science, polytechnical education and on the principles of labor, morale, physical culture and aesthetics. Among these subjects physics plays an exceptionally important role. The 8-year school as the basic school of general education must equip the pupils with elementary knowledge in physics (mechanics, acoustics, heat, light and electricity). The course in this school must be more or less complete. The project of the curriculum has been composed by the Methods Laboratory of Physics, RSFSR Academy of Pedagogical Sciences. The article gives the program in physics for the 8-year school in a general outline. The second stage of secondary education is to be realized in schools of a different type, such as schools of the

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Teaching Physics in the Eight-Year and Secondary Polytechnical School SOV-47-58-6-5/28

working youth, schools of agricultural youth, factory-and workshop schools and agricultural schools. Training in these schools (3 or 4 years) will be closely connected with the students' participation in productive labor and social activity. The number of hours assigned to physics will fluctuate between 330 and 390 hours for the entire course. The author sets forth the program of the 3-year factory- and workshop school (FZU). Combining study with productive labor, preparing students for a vocation and eliminating the overtaxing of students, make it necessary to increase the terms of school training, reducing simultaneously the number of hours for the study of individual subjects. Khrushchev's proposals provide for the possibility of establishing schools for children who have shown talent for mathematics, physics, biology, drawing, etc. If such schools are pro-

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properly organized, they will be an additional powerful institution for training workers. The organization of the secondary school will require several years and its success will depend on many factors.

ASSOCIATION: Laboratoriya metodiki fiziki--Instituta metodov obucheniya APN (Laboratory of Methods of Physics of the Institute of Teaching Methods APN)

1. Physics--Study and teaching 2. Physics--USSR

Card 3/3

YUS'KOVICH, V.P.

What a physics course in secondary schools should be.
Politekh.obuch. no.12:16-18 D '59. (MIRA 13:5)

1. Moskovskiy pedagogicheskiy institut imeni V.I.Lenina.
(Physics--Study and teaching)

REZNIKOV, Leonid Isaakovich; EVENCHIK, Nafir' Yefimovna; IUS'KOVICH,
Vasiliy Fomich; YAVORSKIY, B.M., prof., doktor fiz.-matem.
nauk, red.; SIDOROV, M.I., red.; KOPTEKOVA, L.A., red.; LAUT,
V.G., tekhn.red.

[Methods of teaching physics in secondary schools] Metodika pre-
podavaniia fiziki v srednei shkole. Pod red. B.M.Yavorskogo.
Moskva, Izd-vo Akad.pedagog.nauk RSFSR, Vol.2. [Mechanics (con-
tinuation), molecular physics and heat] Mekhanika (prodolzhenie),
molekul'iar'naya fizika i teplota, 1960. 405 p.

(MIRA 13:7)

(Physics—Study and teaching)

YUS'KOVICH, V.F. (Moskva)

Apparatus for experiments on dynamics. Fiz.v shkole. 21
no.3:62-63 My-Je '61. (MIA 14:8)
(Physical instruments) (Dynamics—Study and teaching)

L 33996-66 EWT(d)/EWP(1) LIP(c), EB/GG

ACC NR: AR6017169

SOURCE CODE: UR/0058/65/000/012/A005/A005

39
B

AUTHOR: Yus'kovich, V. F.; Rinchino, A. G.

TITLE: Experience in programmed teaching of physics

SOURCE: Ref. zh. Fizika, Abs. 12A40 16C

REF SOURCE: Uch. zap. Mosk. gos. ped. in-ta im. V. I. Lenina, no. 228, 1964, 94-104

TOPIC TAGS: programmed teaching, physics, education

ABSTRACT: A procedure and experimental results are described on machineless programmed teaching in two 7th classes. A programmed text on the topic "Heat and Work" was prepared for the experiment. One of the sections of this text is included by way of an example. The text describes briefly the theoretical information, gives instructions for independent work by the students, and contains control questions with answers (answers on a different page). The article shows the lesson-by-lesson plan of the subject and the content of six variants of control work carried out in the experimental and control classes after the study of the subject. The results of the control work have shown an improved quality of knowledge. It is noted that the students exhibit greater interest in physics when the programmed teaching method is used. S. Goncharenko. [Translation of abstract]

SUB CODE: 05

Card 1/1

BELOGORSKAYA, N.I.; BLUDOV, M.I.; BRAVERMAN, E.M.; BULATOV, N.P.;
GALANIN, D.D.; GOL'DFARB, N.I.; YEVROPIN, G.P.; YEGOROV, A.L.
YENOKHOVICH, A.S.; ZVORYKIN, B.S.; IVANOV, S.I.; KAMARETSKIY, S.Ye.;
KRAUKLLIS, V.V.; LISENKO, G.R.; MALOV, N.N.; MAKOVETSOVA, G.P.;
MENSHUTIN, N.F.; MINCHENKOV, Ye.Ya.; PERYSHKIN, A.V.; FUKROVSKIY, A.A.;
POPOV, P.I.; RAYEVA, A.F.; REZNIKOV, L.I.; SOKOLOV, I.I.; YUSKOVICH,
V.F.; ZVENCHIK, Z.Ye.

Dmitrii Ivanovich Sakharov; obituary. *Fiz.v shkole* 22 no.1:109-
110 Ja-F '62. (MIRA 15:3)
(Sakharov, Dmitrii Ivanovich, 1889-1961)

YUSOV

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BENZENE POLYCHLORO-HEXACHLOROBUTANE (CONTINUATION OF RADICAL
CHEMICAL AND POLYMER METHODS) KURENOV, BUREV, 1970, 450 p. BRAZIL
COPYRIGHTED. 9,000 COPIES PRINTED.

Ed. (Title page): N.O. Omer, U.S.A. Marples, S.R., Murray, E.W., TANAKA,
TADA, KOBUCHIBERG Ed. (Index book): V.V. ZHURAVLEV, M.A., A.I.O.
BASAROV.

PURPOSE: This collection of articles is intended for physiots, sanitarians and
public health doctors, chemists and other specialists working in radiative
chemistry.

CONTENTS: This work discusses the following subjects: (1) principles of
measuring radiation and elements content in environments where work is
carried out with radium, radon, radon-derivatives (2) physical-chemical methods
for determining certain radioactive substances in samples of air, water, soil
and foodstuffs; (3) physical methods of measuring contamination of the air by
radiation gases and aerosols, and methods for determining the level of
contamination of worked materials, electron and gamma irradiation, and methods of the
determination of several elements in irradiated materials; (4) atomic and molecular methods of measuring
radical scavenger substances; (5) atomic and molecular methods of measuring
the activity of solid and liquid radioactive sources, there are four chapters
dealing with methods of calculating the total atomic mass of radioactive
substances, units of activity, and doses from natural (background) radioactivity
in the air and of radon; (6) sanitary regulations observed during temperatures,
radiation and handling of radiation equipment, as well as the
measurable levels of ionizing radiation, the values being 10, 1, 1,000 and
100 picocuries per hour; (7) reference tables at the end of each chapter;
Physical methods of determining concentrations of the gases
present in the atmosphere due to radioactive materials and gases

CONTINUATION (U.S.: SHUBNBERG)

Determination of active concentration of naturally

active aerosols (V.Y. GOLIKOV, V.I. LITVINOV

and N.M. SHUBNBERG) 329

Determination of the concentration of active substances in
the air of nuclear plants V.Y. GOLIKOV 330

Determination of the concentration of active substances with
the aid of the electric precipitator V.N. DUD' and I.P.
SHUBNBERG and K.B. KALINICH 335

Determination of active substances with the aid of liquid
filters (S.M. GORYAINOV and N.M. SHUBNBERG) 335

Determination of the concentration of active substances by means of an
absorption counter (I.M. KOTLYAR and N.M. SHUBNBERG) 336

Determination of active air purification due to
radiation gases and aerosols (G. RODINSKY, I.M. GORE
and M. BRESLOVSKAYA) 336

Determination of the concentration of radon in the air
(V.V. POKROVSKIY and V.M. KOTLYAR) 336

Determination of the concentration of active substances in the
air by means of an air wall counter (I.M. KOTLYAR,
N.M. SHUBNBERG, and V.M. KOTLYAR) 336

Determination of concentration of radioactive gases in
the air with the aid of a cylindrical annular placed in
a chamber of fixed volume (V.V. BORISOV) 336

Determination of the concentration of active gases in the
air by means of an air wall counter (I.M. KOTLYAR,
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a chamber of fixed volume (V.V. BORISOV) 336

Determination of the concentration of active gases in the
air by means of an air wall counter (I.M. KOTLYAR,
N.M. SHUBNBERG, and V.M. KOTLYAR) 336

Determination of the concentration of radioactive gases in
the air with the aid of a cylindrical annular placed in
a chamber of fixed volume (V.V. BORISOV) 336

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N.M. SHUBNBERG, and V.M. KOTLYAR) 336

Determination of the concentration of radioactive gases in
the air with the aid of a cylindrical annular placed in
a chamber of fixed volume (V.V. BORISOV) 336

YUSOV, B.P.

Psychology of graphic activities and children's drawing. Vsp.
psichol. 9 no.2:161-166 Mr-Ap '63. (MIRA 16:4)

1. Institut khudozhestvennogo vospitaniya Akademii pedagogicheskikh
nauk RSFSR, Moskva.
(Children as artists)

YU-CV, B. V.

ZPP.
.R92936

TIBET (GEOGRAFICHESKIY OBZOR). MOSKVA, IZD-VO ZNANIYE, 1952. 23 P.
ILLUS., MAP (VSESOYUZNOYE OБSHCHESTVO PO KASPROSTRANENIYE POLITICHESKIKH I
NAUCHNYKH ZNANIY. 1952, SERIYA 2, NO. 38)

YUSOV, B.V.; MURZAYEV, E.M., doktor geograficheskikh nauk, redaktor; BARANSKIY,
N.N., chlen korrespondent; BODNARSKIY, M.S., doktor geograficheskikh nauk;
SALISHCHEV, E.A., professor; SOLOV'YEV, A.I., chlen korrespondent.

V.I.Roborovskii. Pod red. E.M.Murzaeva. 2. izd. Moskva, Gos. izd-vo
geogr.lit-ry, 1952. 38 p. (MLRA 6:7)

1. Akademiya nauk SSSR (for Baranskiy). 2. Akademiya pedagogicheskikh nauk
RSFSR (for Solov'yev). (Roborovskii, Vsevolod Ivanovich, 1856-1910)

YUSOV, B. V.,

Tibet

New book about Tibet ("Tibet." B. V. YUsov. Reviewed by I. Yermashov.) Vokrug sveta, no. 8
1952.

9. Monthly List of Russian Accessions, Library of Congress, November ² 1953, Uncl.

YUSOV, B.V.; MURZAYEV, E.M., redaktor.

A.P.Fedchenko. Pod red. E.M.Mirzaeva. Moskva, Gos.izd-vo geogr.lit-ry,
1953. 37 p.
(MIRA 6:9)
(Fedchenko, Aleksei Pavlovich, 1844-1873)

YUBN. B.V.

Tibet; Kurzer Geographischer Abriss...Leipzig, Bibliographisches Institut, 1953.

80 P. Illus., Maps.

Translation From The Russian, Tibet, Geograficheskiy Obzor, Moscow, 1952.

"Literaturverzeichnis": P. 79-80.

SO: 311L/5

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~~University College-Literature~~

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He was a member of the First Congregational Church of New Haven, Conn., and a member of the New Haven Lodge No. 10, A. F. & A. M., and the New Haven Chapter No. 1, R. & S. M., Masonic auxiliary.

- 1 -

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4"

YUSOV, B.V.

AVETISYAN, G.A.; DIK, N.Ye.; YERNAKOV, N.P.; YUSOV, B.V.; SHCHERBAKOV, D.I.,
akademik, otvetstvennyy red.; DOBRONRAVOVA, K.O., red.; KOSHELEVA,
S.M., tekhn.red.

[Our homeland; an album of photographs] Nasha rodina; fotoal'bom.
Moskva, Gos.izd-vo geogr.lit-ry, 1957. 309 p. [Parallel texts in
Russian, German, English, and French] (MIRA 11:1)
(Russia--Views)

~~KUBOV, Boris Vasil'yevich, KURZAYEV, E.M., doktor geograficheskikh nauk,
red.; ABRAMOV, L.S., red.; GLEYKH, D.A., tekhn.red.~~

[Tibet; its physical geography] Tibet; fiziko-geograficheskaya
kharakteristika. Pod red. E.M.Kurzaeva. Moskva, Gos. izd-vo
geogr. lit-ry, 1958. 222 p. (MERA 11:5)
(Tibet--Physical geography)

YUSOV, B.V., inzh.; YERKHOV, V.V., inzh.

Vertically closed conveyer. Mekh.i avtom.proizv. 15 no.6:48-49
Je '61. (MIRA 14:6)
(Conveying machinery)

AVETISYAN, G.A.; DIK, N.Ye.; PERMAKOV, N.P.; YUSOV, B.V.; SICHERBAKOV, D.I., otv. red.; DOBRONRÁVOVA, K.O., red.; PAVLOV, V.N., red.; MEYZEROV, S.M., red.; KOSHELEVA, S.M., tekhn. red.

[Our motherland; photographic album] Nasha Rodina; foto-
au'tom. Moskva, Gos.izd-vo geogr.lit-ry, 1962. 388 p.
(MIRA 15:8)

(Russia--Views)

YUSOV, K.

Five-year plan for providing cities with gas. Zhil.-kom.khoz.6 no.2:
12-13 '56. (MLRA 9:7)

1. Nachal'nik Otdela kapital'nogo stroitel'stva Glavnogo upravleniya
po gasifikatsii gorodov Ministerstva kommunal'nogo khozyaystva RSFSR.
(Gas, Natural)

YUSOV, M.

Forestry Engineering

Mobile repair shops are necessary, Les. khoz., 5 No. 3(42), 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

TSEYTLIN, Yakov Mikhaylovich; L'VOVICH, Izrail' Vol'fovich;
YUSOV, Oleg Ivanovich; AMOSOV, I.S., red.

[Photoelectric transducers for the automation of inspection operations] Fotoelektricheskie datchiki dlja avtomatizatsii kontrolia. Leningrad, 1963. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seria: Metody i sredstva kontrolia, ispytaniia materialov, detalei i mekhanizmov, no.4) (MIRA 17:5)

TSEYTLIN, Ya.M.; LEVOVICH, I.V.; YUSOV, O.I.

Photoelectric transducers with a spring mechanism. Izm. tekhn.
no. 1:15-17 Ja '64. (MIRA 17:11)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4

OSTROVSKIY, M.Ye., arkhitektor; YUSOV, N.A., arkhitektor

Standardization of warehouses for all branches of industry, From
stroi. 37 no.5:31-34 My '59.
(Warehouses) (MIRA 12:7)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4"

OSTROVSKIY, M.Ye., arkitektor; PARAMONOV, V.P., arkitektor; YUSOV,
S.A., arkitektor; KIVSHAN, G.Ya., inzh.

Standardization of secondary and auxiliary buildings and
structures in all branches of industry. Prom.stroi. 38
no.6:6-13 '60. (MIRA 13:7)
(Factories--Design and construction)

YUSOV, S.K.

AGAPOV, D.S.; ARTIBILLOV, B.H.; VIKTOROV, A.M.; GINTS, A.N.; GOR'KOV, A.V.;
GUSYATINSKIY, M.A.; KARPOV, A.S.; KOLOT, I.I.; KOMAREVSKIY, V.T.;
KORYAGIN, A.I.; KRIVSKIY, M.H.; KRAYMOV, A.G.; NESTEROVA, I.N.;
OBMS, I.S., kandidat tekhnicheskikh nauk; SOSHOVIKOV, E.S.; SUKHOT-
SKIY, S.F.; CHLENOV, O.O.; YUSOV, S.K.; ZHUK, S.Ya., akademik, glavnyy
redaktor; KOSTROV, I.N., redaktor; BARONENKOV, A.V., professor,
doktor tekhnicheskikh nauk, redaktor; KIRZHNER, D.M., professor,
doktor tekhnicheskikh nauk, redaktor; SHESHKO, Ya.F., professor, doktor
tekhnicheskikh nauk, redaktor; AVERIN, N.D., inzhener, redaktor
[deceased]; GOR'KOV, A.V., inzhener, redaktor; KOMAREVSKIY, V.T.,
inzhener, redaktor; ROGOVSKIY, L.V., inzhener, redaktor; SHAPovalov,
T.I., inzhener, redaktor; RUSSO, G.A., kandidat tekhnicheskikh nauk,
redaktor; FILIMONOV, N.A., inzhener, redaktor; VOLKOV, L.N., inzhener,
redaktor; GRISHIN, M.M., professor, doktor tekhnicheskikh nauk, redaktor;
ZHUBIN, V.D., professor, doktor tekhnicheskikh nauk, redaktor;
LIKHACHEV, V.P., inzhener, redaktor; MEDVEDEV, V.M., kandidat tekhnai-
cheskikh nauk, redaktor; MIKHAYLOV, A.V., kandidat tekhnicheskikh nauk,
redaktor; PETROV, G.D., inzhener, redaktor; RAZIN, N.V., redaktor;
SOBOLEV, V.P., inzhener, redaktor; PERINGER, B.P., inzhener, redaktor;
TSYPLAKOV, V.D., inzhener, redaktor; ISAYEV, N.V., redaktor; TISTROVA,
O.N., redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor

[The Volga-Don Canal; technical report on the construction of the
Volga-Don Canal, the Tsimlyanskaya hydro development and irrigation
works (1949-1952); in five volumes] Volgo-Don; tekhnicheskii otchet
(continued on next card)

AGAPOV, D.S. --- (continued) Card 2.
o stroitel'stve Volgo-Donskogo sudiokhodnogo kanala imeni V.I.Lenina.
Tsimlienskogo gidroza i orositel'nykh sooruzhenii (1949-1952) v
piati tomakh. Glav.red. S.IA. Zhuk. Moskva, Gos.energ. izd-vo.
Vol.5. [Quarry management] Kar'ernoe khoziaistvo. Red.toma I.N.
Kostrov. 1956. 172 p. (MLRA 10:4)

1. Russie (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro
tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Deystvitel'nyy
cheln Akademii stroitel'stva, i arkhitektury SSSR (for Razin)
(Quarries and quarrying)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4

1. V. D. F. K. . . . , polkovnik meditsinskoy sluzhby, dotsent; VUSOV, Yu.I.,
kapitan meditsinskoy sluzhby

Organization of a resuscitation station at a military hospital.
Voen.-med. zhur. no. 1-1955- no. 104. Nisan 1955

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4"

YUSOVA, E. N.

5. 4500(B)

22970
S/166/61/000/002/001/005
B112/B217

AUTHORS: Stapodubtsev, S. V., Member of the Academy of Sciences
Uzbekkayn SSR, Ablyayev, Sh. A., Bakhranov, Z.,
Keitlin, L. G., Yusova, E. N.

TITLE: Study of molecular conversions in a natural gas, produced
by high-frequency electric discharge

PERIODICAL: Izvestiya Akademii nauk UzSSR. Seriya fiziko-matematicheskikh
nauk, no. 2, 1961, 3-11

TEXT: The study of chemical conversions is to continue studies of
different radiation effects on methane. A high-frequency device of the
type АГЕ-36 (ЛСЕ-ЗВ) was used for heating the dielectrics. The experi-
mental arrangement is schematically represented in Fig. 1: A is a gas
tank, B a rheometer, T a discharge tube, L (L) a trap, P a reservoir, M a
manometer, K a bulb, and D₁ and D₂ are catarrhometers. The reaction
products were analyzed spectroscopically. The MKC-14 (IKS-14) spectro-
graph used has a measuring range of 600-10000 cm⁻¹, and prisms of LiF and

Card 1/5

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S/166/61/000/002/001/006
B112/B217

Study of molecular conversions in a...

KCl. The gas contained 90 % methane. The amount of energy absorbed on passage through the gas discharge tube was determined from the temperature difference $T_2 - T_1$ at the ends of the discharge tube.

$$\epsilon = 2.6 \cdot 10^{19} \frac{\text{cal}}{\text{mole}} C_p (T_2 - T_1) \text{ ev.}$$

where M is the mass of the gas, and C_p the specific heat at constant pressure. Fig. 2 shows the absorption spectrum of the gas. The dashed line (1) refers to a gas not subjected to electric discharge, whilst line (2) refers to a gas subjected to electric discharge. The effect of electric discharge on the gas resulted in the formation of liquid products which turned out to be derivatives of alkyl benzenes. The basic products are formed as follows:



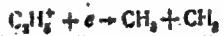
Card 2/2 3

22970

S/166/61/000/002/001/005

8112/3217

Study of molecular conversions in a...



There are 3 figures and 26 references; 8 Soviet-bloc and 18 non-Soviet-bloc.

ASSOCIATION: Fiziko-tehnicheskiy institut AN UzSSR (Institute of Physics and Technology, Academy of Sciences Uzbekskaya SSR)

SUBMITTED: January 7, 1961

Card 3/6 3

STARODUBTSEV, S.V.; ABLYAYEV, Sh.A.; BAKHRAMOV, F.; KEYTLIN, L.G.;
IUSOVA, E.N.

Study of the electrocracking of natural gas by the method of
vibrational spectra. Zav. lab. 29 no.6:707-708 '63.
(MIRA 16:6)

1. Fiziko-tehnicheskiy institut AN UzbSSR.
(Gas, Natural—Absorption spectra)
(Cracking process)

STARODUBTSEV, S.V., akademik; ABLYAYEV, Sh.A.; BAKHRAMOV, F.; KEITLIN, L.G.;
YUSOVA, E.N.

Studying the molecular transformations in natural gas provoked by a
high-frequency electric discharge. Izv. AN Uz. SSR. Ser. fiz.-mat.
nauk no. 2:3-11 '61. (MIRA 14:5)

1. Fiziko-tehnicheskiy institut AN UzSSR. 2. Akademiya nauk UzSSR
(for Starodubtsev). (Gas, Natural) (Electric discharges through gases)

YUSOVA, G. M.

Yusova, G. M. -- "Study of the Effectiveness of Interplate Separation in Rectification Columns." Cand Tech Sci, Moscow Inst of Chemical Machine Building, 28 Jan 54. (Vechernaya Moskva, 19 Jan 54)

SO: Sum 168, 22 July 1954

YUSOVA, G. M.

32-7-37/49

AUTHORS:

Matrosov, V. I., Yusova, G. M.

TITLE:

An Apparatus for Molecular Distillation of the Centrifugal Type (Laboratornyy molekulyarno-distillyatsionnyy apparat tsentrobezhnogo tipa)

PERIODICAL:

Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 7, pp. 871-873
(USSR)

ABSTRACT:

The method of molecular distillation makes it possible to investigate the narrow fractions or concentrates of individual components of mixtures which are not able to stand high temperatures. Because of the employment of too high temperatures in the case of a sensitive apparatus it is necessary to reduce the time of experimenting down to fractions of a second. For such cases evaporators of centrifugal construction are built.

The main components of this apparatus are: A centrifugal distiller, a degassing device, vessels for the liquids to be distilled, a magnetic pump for circulation of the liquid. The tubes are provided with electric heaters and a regulating device for the liquid distillate is provided. The distiller and the degassing device are connected with a vacuum system by

Card 1/2

32-7-37/49

An Apparatus for Molecular Distillation of the Centrifugal Type.

means of a nitrogen cooler. An M.M.P.-154 galvanometer serves as indicator. The vessel in the interior of the apparatus receives the liquid and passes it on to the degassing device by means of a pump. The liquid then enters the distiller. Each individual fraction of the distillate is collected in retorts individually. The apparatus permits distillation of a quantity of 1 l per hour at a temperature of 300°.

ASSOCIATION: Scientific Research Institute for the Construction of Chemical Machines (Nauchno-issledovatel'skiy institut khimicheskogo mashinostroyeniya).

AVAILABLE: Library of Congress

Card 2/2

BORISOGLEBSKIY, B.N., kand. tekhn. nauk, red.; VINOGRADOV, Yu.M.,
kand. tekhn. nauk, red.; GALITSKIY, B.A., red.;
GORYAINOVA, A.V., kand. tekhn. nauk, red.; ZHEREBTSOV,
A.N., red.; KORETSKIY, I.M., red.; MAKAROVA, N.S., red.;
MORDOVSKIY, S.I., kand. tekhn. nauk; SALAMATOV, I.I.,
doktor tekhn. nauk; SHVARTS, G.L., kand. tekhn. nauk,
red.; YUKALOV, I.N., kand. tekhn. nauk, red.; YUSOVA, G.M.,
kand. tekhn. nauk, red.; VASIL'YEVA, G.N., red.

[Manufacture of filters in the U.S.S.R.; collection of
reports at the united session of the scientific and tech-
nical councils of the All-Union Scientific Research In-
stitute of Chemical Machinery, the Ukrainian Scientific
Research Institute of Chemical Machinery and the technical
council of the Ural Chemical Machinery Plant] Fil'trostroenie
v SSSR; sbornik dokladov na ob"edinennoi sessii nauchno-
tekhnicheskikh sovetov Niikhimmash, Ukrniikhimmasha i tekhnicheskogo soveta zavoda "Uralkhimmash." Moskva, Otdel
nauchno-tekn. informatsii, 1963. 107 p. (MIRA 17:12)

1. Nauchno-issledovatel'skiy institut khimicheskogo mashino-
stroyeniya (for Borisoglebskiy, Mordovskiy).

NIKITINA, G.N.; YUSOVA, O.B.

Ontogenetic study of the electrcencephalographic expression of the
orienting reaction in the hippocampus of a rabbit. Zhur. evol. bio-
khim. i fiziol. 1 no.3:269-280 My-Je '65. (MIRA 18:7)

1. Laboratoriya srovnitel'nogo ontogeneza nervnoy sistemy Instituta
mozga AMN SSSR, Moskva.

NIKITINA, G.M.; YUSOVA, O.B.

Comparative characteristics of the development of "spontaneus"
bioelectrical activity of some structures of the archicortex
and neocortex in rabbit ontogeny. Zhur. vys. nerv. delat. 15
no.5:911-918 S-0 '65. (MIRA 18:11)

I. Laboratoriya srovnitel'nogo ontogeneza nervnoy sistemy Instituta
mozga AMN SSSR, Moskva.

SHELLER, V.R.[Schoeller, W.R.deceased]; FOUELL,A.R.[Powell,A.R.];
BELOPOL'SKIY, M.P.[translator]; EYKOVA, V.S.[translator];
KNIPOVICH, Yu.N.[translator]; KRASIKOVA, V.M.[translator];
POPOV, N.P.[translator]; STOLYANOVA, I.A.[translator]; YISQ/A,
V.A.[translator]; ZAYKOVSKIY,F.V., retsenzent; SHCHERBOV,D.P.,
retsenzent; NEMANOVA, G.F., red. izd-va; IVANOVA,A.G., tekhn.red.

[The analysis of minerals and ores of the rarer elements] Analiz
mineralov i rud redkikh elementov. Pod obshchei red. IU.N.Knipo-
vich i N.P.Popova. Moskva, Gosgeoltekhnizdat, 1962. 447 p.

(MIRA 15:12)

(Mineralogy, Determinative) (Metals, Rare and minor)

SOLOVEY, D.Ye., kand.khimicheskikh nauk; Prinimali uchastiye:
ROGACHEVA, O.I., inzh.; TELEGINA, V.V., inzh.; KOBZEA, L.I.,
tekhnik; BLIOKH, M.B., laborant; YUSCOVA, V.I., laborant

Corrosion resistance of reinforcement in silica concrete.
Stroi.mnt. 8 no.1:7-10 Ja '62. (MIRA 15:5)
(Concrete reinforcement—Corrosion)

SOLOVEY, D.Ya., kand.tekhn.nauk; Prinimali uchastiye: KOBZEVA, L.I.,
tekhnik; YUSOVA, V.I., laborant; BLOKH, M.B., laborant

Protecting the reinforcement from corrosion in autoclaved silicate
concretes. Sbor. trud. ROSNIIIMS no.20:84-89 '61. (MIRA 16:1)
(Concrete reinforcement--Corrosion)

YUSOVA, Ye. I.
YUSOVA, Ye. I.

~~Three cone grooving of piercing mill rolls. Biul. TSNIIGIM~~
~~no. 23:42 '57.~~ (MIRA 11:2)

1. Bakinskiy truboprotkatnyy zavod.
(Rolling mills)

YUSOVA, Yu. I.; ALABYSHEV, A. F.

Vapor pressure of hydrogen chloride over the system KF-HF
with additions of fluoride salts. Zhur. fiz. khim. 36 no. 12:
2772-2774. D '62. (MIRA 16:1)

I. Institut prikladnoy khimii.

(Hydrofluoric acid) (Vapor pressure)
(Fluorides)

S/076/63/037/002/017/018
B144/B180

AUTHORS: Yusova, Yu. I., Alabyshev, A. F.

TITLE: Effect of sodium fluoride on the vapor pressure of hydrogen fluoride over a KF - HF melt. II

PERIODICAL: Zhurnal fizicheskoy khimii, v. 37, no. 2, 1963, 449-450

TEXT: The effect of additions of 2-30% by weight NaF on the HF vapor pressure was investigated over KF - HF melts of different acidities. The methods of measurements had been described by the authors in a previous paper (in press). The HF vapor pressure was reduced by NaF additions of 2-5% by weight, but considerably increased above 5%. This may be due to weakening of the KF - HF system and formation of the NaF - HF system which decomposes before melting. There is 1 table.

ASSOCIATION: Institut prikladnoy khimii (Institute of Applied Chemistry)

SUBMITTED: March 28, 1962

Card 1/1

YUSOVA, Yu.I.; ALABYSHEV, A.F.

Vapor pressure over the system NH₄F-HF of various ammonia content.
Zhur.fiz.khim. 37 no.3:1870-1871 Ag '63. (NIRA 16:9)

1. Gosudarstvennyy institut prikladnoy khimii.
(Ammonia) (Hydrofluoric acid) (Vapor pressure)

SOV/91-59-2-11/33

AUTHORS: Kibrik, P. S., and Yuspraykh, D. B., Engineers

TITLE: The Briquetting of the Coal Sand which Escaped from Boiler Furnaces (Briketirovaniya unosa kotlov)

PERIODICAL: Energetik, 1959, Nr 2, p 16 - 17 (USSR)

ABSTRACT: The authors describe a field-type briquetting plant preparing briquets from the small particles of coal which escaped boiler furnaces. It was constructed by the plant Lenbriketmash (Leningrad Briquet Machinery Plant) on the drafts worked out by the State Planning Institute for the Heating Industry (Giprotpprom). Up to 5000 tons of coal sand had accumulated at a train power plant at Feodosiya by 1957. At present, the whole amount of coal sand from the furnaces of two train power plants of 3000 kw at Feodosiya are being worked up as briquets by such a briquetting plant. The article shortly describes the process. There is one diagram.

S/152/62/000/007/002/002
B126/B144

AUTHORS: Yusri-Zakhra, Paushkin, Ya. M.

TITLE: Use of cobalt on aluminum oxide as catalyst for the synthesis of petroleum-derived aromatic hydrocarbons

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft i gaz, no. 7, 1962, 57-63

TEXT: The article is a study of the catalytic reforming of gasoline fractions with Al_2O_3 catalysts containing 0.5 to 1.0% of Co. The tests were made with straight-run gasoline, boiling range 70 to 140°C, and the best results were achieved at a temperature of 570°C, volume velocity 0.2 hr^{-1} , using 1.0% Co on Al_2O_3 ; the products of this catalysis contained 59.1% by weight of aromatic hydrocarbons. Comparison tests were made with 0.5% Pt on Al_2O_3 as catalyst; at a volume velocity of 1 hr^{-1} the results were better with platinum, whereas at 0.2 hr^{-1} they were analogous with cobalt and platinum, however cobalt should be used when the catalyst

Card 1/2

Use of cobalt on aluminum ...

S/152/62/000/007/002/002
B126/B144

is regenerated by hot air. Tests with methyl cyclohexane and n-heptane showed that 1% Co on Al_2O_3 dehydrates naphthenes and aromatizes paraffins, and that cobalt has a greater capacity for aromatization than platinum. Spectrum analysis was used to ascertain the products of catalysis; the fractions 122-145°C contained up to 70% of aromatic hydrocarbons including on the average 8% p-xylene, 17% m-xylene, 11% o-xylene and 34% ethyl benzene. There are 4 figures and 6 tables.

ASSOCIATION: Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. I. M. Gubkina (Moscow Institute of Petrochemical and Gas Industry imeni Academician I. M. Gubkin)

SUBMITTED: February 19, 1962

Card 2/2

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4

YUST, K., insh.

Semi-autoclave hardening chamber. Stroi. mat. 4 no. 2:35 F '58.
(MIRA 11:2)

(Autoclaves)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4"

YUSTER, F. I.

"Comparative Morphology of Arteriosclerosis of the Coronary Arteries
of the Heart With and Without Hypertension." Cand Med Sci, First Moscow
Order of Lenin Medical Inst, 27 Dec 54. (VM, 16 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (12)
SO: Sum. No. 556 24 Jun 55

NAUMETS, Nikolay Ivanovich, ispolnyayushchiy obyazannosti prof.
kand. tekhn. nauk; ZHIRKOVICH, Sergey Vladimirovich,
ispolnyayushchiy obyazannosti prof. kand. tekhn. nauk;
ABAYEV, I.I., inzh.; PERCHENKO, A.G., st. pepod.;
SHABANOV, A.D., dots., kand. tekhn. nauk, retsenzent;
YUSTINSKIY, E.A., inzh., retsenzent; ANTONOV, V.P.,
tekhn. red.

[Hoisting machinery used in building] Gruzopodemnyye
stroitel'nye mashiny. 2-ia chast' posobiia po kursu
stroitel'nykh mashin. Kuibyshev, Kuibyshevskii inzhe-
nerno-stroite. in-t, 1962. 416 p. (MIRA 17:2)

YUSTOV, B. I.

"Thermotechnical Efficiency of Different Designs of Regenerators of Coke Furnaces,"

Za Ekon. Top., No. 3, 1948. Cand. Technical Sci.

TUSSOVA, Yasha

Conference on problems of testing the whiteness of ceramic products,
Stek. 1 kar. 15 no.12:48 D '58. (MIRA 11:12)
(Ceramics--Testing)

YUSTOVA, Ye. N.

✓ Mbr., Affil. Leningrad Univ., Yelabuga, -1944-

✓ Mbr., Photometric Lab., Astronomical Observatory, Leningrad State Univ., -1946-.

"On Color Variations, Caused by Light Scattering in the Atmospheres," Zhur. Tekh.

Fiz., 15, No. 3, 1945;

"The Influence of Color Adaptation in the Eye on the Accuracy of Colorimetric

Measurements," ibid. No. 10, 1946;

"Determination of the Visibility Distance of Colored Objects," ibid., 16, No. 8, 1946;

"Determination of coordinate Axes of Basic Physiological Systems from Colorblind

Tests," Dok. AN, 63, No. 4, 1948;

"A New Definition of the Spectral Characteristics of Color Vision," ibid., 65, No. 5,

1949;

"Spectral Sensitivity of the Eyes Receptors," ibid., 74, No. 6, 1950.

PA 26T54

YUSTOVA, Ye. N.

DSER/Optics

Dec 1946

Color - Measurements

Color Vision

"The Influence of Color Adaptation in the Eye on
the Accuracy of Colorimetric Measurements," E. N.
Yustova, 8 pp.

"Zhur Tekh Fiz" Vol XVI, No 10

Describes the investigations carried out to determine the effect of color adaptation on the basis of colorimetric measurements. Submitted by Prof G. N. Rautin at the All-Union Research and Investigation Institute of Metacology imeni D. I. Mendeleyev.

ID

26T54

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4

42170. YUSTOVA, YE. N. - Opredeleniye Koordinatnykh osey osnovnoy Fiziologicheskoy sistemy iz opytov s tsvetnoslepyimi. Doklady Akad. Nauk SSSR, Novaya seriya, T. LXIII, No 4, 1948, c. 383-85.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963310004-4"

PL 39/49T12

USSR/Medicine - Vision, Physiology
Medicine - Color Perception

Apr 49

"A New Definition of the Spectral Characteristics
of Color Vision," Ye. N. Tustova, 4 pp

"Akad Ak Nauk SSSR" Vol. IV, No. 2

Introduces a transformation from coordinates
 X, Y, Z in system XYZ to coordinates F, G, b or
the basic physiological system RBC, and compares
curves for the spectral sensitivity of receptors
obtained by this method with curves obtained by
Koenig. Also shows curves for spectral sensitivity
of the receptors for various positions of the
coordinate b . Submitted by A.M.S. T. Veriller,
14 Feb 49.

39/49T62

YUSTOVA YE. N.,

FA 171T88

USSR/Physics - Light, Sensitivity to
Eye, Color Vision

21 Oct 50

"Spectral Sensitivity of the Eye's Receptors," Ye. N.
Yustova

"Dok Ak Nauk" Vol LXXIV, No 6, pp 1069-1072

Results of expt in 1947-48 on group of 10 "red-blind"
persons and 12 "green-blind" persons, to det direc-
tions of R-axis and G-axis and curves of spectral
sensitivity of eye's receptors E, G, R. Obtained
spectral characteristics of receptors (wave length vs
r, g, b) and chromata of spectral radiations (wave
length vs r, g, b). Submitted 26 Jun 50 by Acad.
S. I. Vavilov.

172T88

YUSTOVA, YE. N.

YUSTOVA, Ye.N.

Nature of color vision in abnormal trichromatopsia. Doklady Akad. nauk
SSSR 81 no.6:1051-1054 11 Dec 51. (GML 21:5)

1. Presented by Academician A.N. Terenin 5 November 1951.

YUSTOVA, Ye.N.

Accuracy of regular calibrations of three-color colorimeters based
on three colors and four chromaticities. Trudy VNIIM no.17:84-97
'52.
(Colorimeters) (MERA 11:6)

YUSTOVA, S. N.

A colorimetric method for the construction of tables for detecting colour-blindness. E. N. Yustova (C. R. Acad. Sci. U.R.S.S., 1933, 80, 536-536). Describes a rational method for the construction of pseudo-isochromatic plates, depending on the confusion loci in the colour triangle for different forms of colour-blindness.

G. S. HENDRICKS

* 24(0); 5(4); 6(2) PHASE I BOOK EXPLOITATION SOY/2015

Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii imeni D.I. Mendeleyeva

Sbornik nauchno-issledovatel'skiy rabot; sbornik No. 2 (Scientific Research Abstracts Collection of Articles). Nt 2). Moscow, Standardizatsiya, 1958. 139 p. 1,000 copies printed.

Additional Sponsoring Agency: USSR. Komitet standartov, mer-t-i izmeritel'nuych pribyorov.

Ed.: S. V. Reabetina; Tech. Ed.: M. A. Kondrak'yeva.

PURPOSE: These reports are intended for scientists, researchers, and engineers engaged in developing standards, measures, and scales for the various industries.

CONTENTS: The volume contains 125 reports on standards of measurement and control. The reports were prepared by scientists of institutes of the Komitet standartov, mer-t-i izmeritel'nuych pribyorov pri Sovete Ministriv SSSR (Commission on Standards, Measures, and Measuring Instruments under the USSR Council of Ministers). The participating institutions are VNIIM - Vsesoyuznyy nauchno-issledovatel'skiy metrologicheskiy inst. imeni D.I. Mendeleyeva (All-Union Scientific Research Institute of Metrology imeni D.I. Mendeleyeva), Institute of Technical Measurements of this Institute; VNIK - Vsesoyuznyy nauchno-issledovatel'skiy Institut standartov, mer-t-i izmeritel'nuych pribyorov (All-Union Scientific Research Institute of Standards, Measures, and Measuring Instruments), VNIIM - Novosibirskiy gosudarstvennyy institut fizicheskikh i radio-fizicheskikh issledovaniy (All-Union Scientific Research Institute of Physics and Radio-Engineering), VNIIFTRI - Vsesoyuznyy nauchno-issledovatel'skiy institut fizicheskikh i radio-fizicheskikh issledovaniy (All-Union Scientific Research Institute of Physics and Radio-Engineering), VNIIM - Novosibirskiy gosudarstvennyy institut po radioelektronike i radioelektronnym pribyorov (All-Union Scientific Research Institute of Radioelectronics and Measuring Instruments); and NIIIMP - Novosibirskiy gosudarstvennyy institut mer-t-i izmeritel'nuych pribyorov (Novosibirsk State Institute of Measures and Measuring Instruments). No personalities are mentioned. There are no references.

Zaitseva, N.G. (VNIIM). On the Accuracy of Conventional Colorimetric Measurements for Three Colors and Four Chromaticities 110

Mitrova, Ye. N. (VNIIM). Studying Spatial Variation of Color Perception Under the Effect of Eye Adaption 111

Saburenko, A.M. (VNIIM). Designing a Potentiometric Apparatus for Measuring pH 112

Saburenko, A.M. (VNIIM). Light Measurements for Fluorescent 113

Psychophysical Measurements (Romanova, N.P., Editor, Professor) 114

Bogolyubov, S.I. (Overdovas Branch of VNIIM). Designing a Potentiometric Method for Measuring pH 115

Aleksandrov, V.A. (VNIIM). Shashankov, G.M. (VNIIM). 116

Igor'ev Branch of VNIIM). Developing a Quantitative Photoelectric

Method for the Determination of Phosphorus and Manganese in Cast Iron and Steel Card 22/27 116

AUTHOR:

Yustova, Ye.N.

SOV-115-58-3-41/41

TITLE:

A Conference on Problems of the Measurement of Whiteness
(Soveshchaniye po voprosam otsenki belizny)

PERIODICAL:

Izmeritel'naya tekhnika, 1958, Nr 3, pp 103-104 (USSR)

ABSTRACT:

A session of the Permanent Commission for Colorimetry at VNII metrologii im. D.I. Mendeleyeva (VNII of Metrology imeni D.I. Mendeleyev) took place in Feb 1958 at VNIIM: more than 40 delegates of 20 different organizations were present. The purpose of the session was to determine an accurate definition of the conception "whiteness", critical consideration of methods and instruments used for its evaluation, review of the situation in the USSR and abroad concerning the measurements of whiteness, possibilities of further development and coordination of the work of different organizations. The following latest models of laboratory and check instruments marked for lot production were mentioned: tri-color laboratory colorimeter of Demkina system ("TTsK"), differential ball-photometer ("FM-58"); modernized photometer ("FM-56"), photo-electric comparator "GOI". The majority of the speakers pointed out the inadequacy of the photometric brightness coefficient for the evaluation of whiteness; the lack of instruments for mea-

Card 1/3

A Conference on Problems of the Measurement of Whiteness SOV-115-59-3-41/41

surements of slight color differences (color comparators) and insufficient quantity of available "KNO" colorimeters and simplified "FT-2" spectrophotometers. The necessity of developing new whiteness standards with a known spectral reflection and of reference scales of whiteness for every industry branch was stressed. As the colorimetric method requires high-sensitive comparators, it was considered necessary to urge the output of the comparator developed at GOI. In view of the lack of instruments in the country, the Session decided that the Bureau of the Permanent Commission ask the Gosplan SSSR organize the output of a series of instruments for the first of the simplified "FT-2" spectrometer, direct-reading "KNO-3" colorimeters, and later (after final development and state tests) such instruments as the "FM-58" ball photometer and photoelectric "GOI" color comparator. It was recommended to proceed with research

Card 2/3

A Conference on Problems of the Measurement of Whiteness SCV-115-58-3-41/41
work in close contact with the industry, and that the Permanent Commission coordinate the work. It was also suggested that a center be organized, at VNIIM, equipped with the latest instrument models to enable the industrial organizations to perform tests and studies.

1. Colorimetry--USSR

Card 3/3

USCOM-DC-55607

YUSTOVA, Ye. N., kand. tekhn. nauk

Conference on problems of evaluating whiteness. Svetotekhnika 4
no. 7:27-28 J1 '58. (MIRA 11:7)
(Colorimetry)

15(7)

AUTHOR: Yustova, Ye.N.

SOV/12-58-12-23/23

TITLE: Conference on Problems of Measuring the Whiteness of Products
(Soveshchaniye po voprosam izmereniya belizny izdeliy)

PERIODICAL: Steklo i keramika, 1958, Nr 12, pp.48-48 (USSR)

ABSTRACT: In the current year, the Vsesoyuznyy nauchno-issledovatel'skiy institut metrol'gii imeni Mendeleyeva (All-Union Scientific Research Institute of Metrology imeni Mendeleyev), with the participation of representatives of interested organizations, held an extended session of the Postoyannaya komissiya pri VNIIMe (Permanent Commission at the VNIIM), which dealt with problems of the whiteness measurement. The following reports and informations were given:

Ye.N. Yustova on methods of whiteness measurement.
D.A. Shklover on an electronic color comparator and its application in the determination of whiteness.

V.S. Khazanov on the photometer FT-2 and its application in the measurement of whiteness.

D.I. Levin reported on the determination of an expedient measuring method of porcelain whiteness.

M.M. Gurevich spoke on the stage of the problem of whiteness measurement.

Card 1/2

Conference on Problems of Measuring the Whiteness of Products SKV/72-58-12-23/23

As a result of the conference it was stated that it is necessary to use either the colorimetric or the spectrophotometric method, according to the purpose for which the whiteness is measured. It was regarded as necessary to organize the series production of the photometer FT-2, the colorimeter KNO, the spherical photometer FM-58, and the photo-electric comparator GOI. The work done by the All-Union Scientific Research Institute of Metrology, the Vsesoyuznyy nauchno-issledovatel'skiy svetotekhnicheskiy institut (All-Union Scientific Photological Research Institute), the Gosudarstvennyy nauchno-issledovatel'skiy keramicheskiy institut (State Scientific Ceramic Research Institute), the Nauchno-issledovatel'skiy institut khlopychatobumazhnyy promyshlennosti (Scientific Research Institute of Cotton Industry) was appreciated, and its continuation was recommended. The desire was expressed to create in the VNIIIM a center which should be equipped with the most up-to-date apparatus for measuring the whiteness in order to help industrial organizations.

Card 2/2

USCOMM-IC-60,515

YUSTOVA, Ya. N.

Colorimetric analysis of Ishihara's tests and Babkin's polychromatic
tables. Probl. fiziol. opt. 12:511-532 '58 (MIDA 11:6)
(COLOR BLINDNESS)
(OPTICS--TABLES, ETC.)
(COLORIMETRY)

YUSTOVA, Ya. N., kand. tekhn. nauk

Conference on problems of the measurement of whiteness. Bui. prot.
33 no. 6:30-31 Je '58. (MIRA 11:7)
(Paper--Congresses)

27/1200

S/263/62/000/017/009/01
1011/L211

AUTHOR: Yustova, Ye. N.

TITLE: New tables for colour vision testing

PERIODICAL: Referativnyy zhurnal. Otdel'nyy vypusk, Izmeritel'naya tekhnika, no. 17, 1962, 56,
abstract 32.17.378. "Tr. in-tov Kom-ta standartov, mer i izmerit. priborov pri Sov.
Min. SSSR", 1961, no. 56(116), 89-105

TEXT: New tables for colour vision testing in day and evening light conditions are theoretically worked out and realised. The tables are made in the form of stencils with holes which are laid on a background and a figure of a Landolt ring colored in colors indistinguishable by color-blind people. These colors chosen and calculated on the basis of data on the physiological system of the eye receivers.

[Abstracter's note: Complete translation.]

Card 1/1

YUSTOVA, Ye.N.

A visual colorimeter developed by the All-Union Scientific Research Institute of Meteorology. Trudy Inst.Kom.stand., met. i iss.prib. no.56:66-88 '61. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. D.I.Mendeleyeva.
(Colorimeters)

YUSTOVA, Ye.N., kand. tekhn. nauk; TSUPKO, O.A., inzh.

Calorimetric study of white substances. Svetotekhnika 9
no.10:7-10 0 '63. (MIRA 15:11)

1. Vsesoyuznyy institut metrologii.